REHEAT INDUSTRY
Refractory Concept Solutions
For all industries with extreme temperatures and working conditions, Calderys is there for you. Combining a global network with local expertise, we offer customised solutions wherever you are: from monolithic refractory to bricks and precast shapes to a full range of engineering and installation services.

**KEY POINTS**

- Over 100 years of refractory experience
- Over 2,300 employees across 33 countries
- 19 plants in 16 countries totaling 600,000 tons capacity
- Annual revenue of over €500 million
- 1 Global Technology Centre and 15 Customisation Labs
- 150 major projects implemented every year
- Wholly-owned subsidiary of Imerys Group
THE CALDERYS SERVICE OFFERING:

- Product selection
- Engineering
- Project Management

Find Out More

- Installation
- Maintenance
- Safety
CALDERYS is a trusted supplier to Reheat Furnace manufacturers and operators all over the world, with references from the top global OEMs in the heat treatment field.

CALDERYS will ensure that you benefit from refractory solutions that are:

- **Adapted to key Reheat technologies** such as Walking Hearth, Walking Beam and Pusher furnaces – any type of treatment furnaces using temperatures up to 1500°C
- **Customised for local needs** through regional product ranges, refined through project experience around the globe in Europe, India, Asia and the US
- **More energy-efficient** as we work with our clients to find the best product selection to offer high lining lifetime along with strong insulating properties
- **Optimised to save you from downtime**, maximising your production through various quick drying refractory options and reliable refractory solutions
- **Service-oriented through Reheat project experience**: Going beyond quality products for maintenance & turnkey projects from our teams along with installation partners globally

**Project References**

Calderys is a reliable choice for all your refractory needs. Ask us about our project references around the world for key Reheat Furnace technologies, including:

- Walking Hearth Furnace
- Walking Beam Furnace
- Pusher Furnace
- Rotary Furnace
- Roller Furnace
- Soaking Pit Furnace
- Annealing Furnace
- Bogie Furnace
OUR SERVICES

Product Selection
By carefully examining your equipment and processes, we will offer you a complete refractory solution from monolithic refractory, to insulating castables, to ceramic anchors or to custom precast shapes, and many more.

Engineering
Calderys engineers focus on your specific processes to propose a technical solution in order to achieve energy saving for highest thermal efficiency, lesser downtime to increase your productivity, and increased performance of your furnace.

Project Management
Whether you are building a completely new furnace or performing important maintenance work, Calderys has experience and skills to manage your full refractory project end-to-end.
Installation
To ensure optimal performance for your refractory, Calderys provides full installation services through our certified installation teams around the world (Calderys & partners), including safety officers and supervisors.

Maintenance
So that our customers can focus on their core processes, Calderys offers regular and predictive refractory maintenance as well as rapid round-the-clock response to emergencies.

Safety
Because safety is our priority, to ensure safe execution, supply, and installation, Calderys can provide you with all required documents and personal safety equipment to execute a project in the safest possible way.
Calderys has a complete range of refractory products for all Reheat Furnace types:

- Traditional plastic option: world-renowned CALDE® and ACCCAST PLAST product lines such as our famous SUPERAL range which is available in ramming, gunning and casting versions for roof, walls, burners, etc. Our high-performing gunning version takes half the time as ramming

- Our wide range of monolithic: from the conventional, to low/ultra low cement, sol-gel, and QD™ patented no cement castable

- Insulating castables range to replace fibres for more safety for your teams: Extra-light (XL), Light-weight (LW), Medium-weight (MW) options available

- Trading items such as bricks, fibres (among others) are possible depending on customer needs

**Ceramic & Metallic Anchors**

Industry standard offerings for Reheat Furnaces, with Calderys expertise to ensure the recommended anchors give you the best performance.

**Skids & Posts**

Tried and tested systems used around the world for decades – particularly in Walking Beam and Pusher furnaces – Calderys offerings can be precast or cast in-situ.
At Calderys, we are proud of our expertise in offering prefabricated shapes. We take our high-performing monolithic refractories and, following strictly the requirements of your equipment and processes, cast for you at our or your facilities in prefabricated pieces the exact refractory shapes you need.

Many precast options are available for roof, side burners, burner blocks, and roller blocks:

- Latest technology: Prefab burner blocks (low NOx, regenerative burners, all OEM types)
- Diamond roof popular option for heat efficiency
- Prefab blocks for pusher furnace floor
- Electr fused blocks option for pusher furnaces – perfect for severe conditions with double the lifetime of other precast options